IAPT Rec'd PCT/PTG 12 MAY 2006

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FORM F	TO-139 -2005)	90 (Modified) U.S. PATENT AND TRADEM	ATTORNEY'S DOCKET NUMBER						
	TR	ANSMITTAL LETTER 1	3836.001						
	0	DESIGNATED/ELECTE	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)						
C	ON	ICERNING A SUBMISS	10/554,136						
INTER		ONAL APPLICATION NO. CT/JP2004/005853	INTERNATIONAL FILING DATE April 23, 2004	PRIORITY DATE CLAIMED April 23, 2003					
TITLE	TITLE OF INVENTION								
LIGH	LIGHT-EMITTING DIODE								
		T(0) F00 00/F0/H0							
APPLICANT(S) FOR DO/EO/US Hiroshi KAWAZOE, Masahiro ORITA, Hiroaki YANAGITA, Satoshi KOBAYASHI									
Applic	ant h	erewith submits to the United State	s Designated/Elected Office (DO/EO/US) the fo	ollowing items and other information:					
1.		This is a FIRST submission of ite	ms concerning a submission under 35 U.S.C. 3	71.					
2.	Ø		ENT submission of items concerning a submiss						
3.		This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.							
4.		The US has been elected (Article 31).							
<b>5</b> .		A copy of the International Application as filed (35 U.S.C. 371 (c)(2))							
		a.  is attached hereto (required only if not communicated by the International Bureau).							
		b.  has been communicated by the International Bureau.							
		c.  is not required, as the a	pplication was filed in the United States Receiv	ring Office (RO/US).					
6.	$\boxtimes$	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).							
•		a. 🛛 is attached hereto.							
			omitted under 35 U.S.C. 154(d)(4).						
7.		Amendments to the claims of the	International Application under PCT Article 19	(35 U.S.C. 371 (c)(3))					
		a. are attached hereto (required only if not communicated by the International Bureau).							
			ed by the International Bureau.						
			owever, the time limit for making such amendment	ents has NOT expired.					
		d.  have not been made and will not be made.							
8.	<b>⊗</b>	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).							
9.	Ø	An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).  An English language translation of the annexes to the International Preliminary Examination Report under PCT							
10.		Article 36 (35 U.S.C. 371 (c)(5)).		Examination Report under 7 0 7					
11.		A copy of the International Preliminary Examination Report (PCT/IPEA/409).							
12.	Ø	A copy of the International Search	Report (PCT/ISA/210).						
ite	ms 1	3 to 23 below concern document	(s) or information included:						
13.	$\boxtimes$	An Information Disclosure Statement under 37 CFR 1.97 and 1.98.							
14.	Ø	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.							
15.	Ø	A FIRST preliminary amendment.							
16.		A SECOND or SUBSEQUENT preliminary amendment.							
17.		A substitute specification.							
18.		A power of attorney and/or change of address letter.							
19.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.							
20.	0	A second copy of the published International Application under 35 U.S.C. 154(d)(4).							
21.		A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).							
22.	Ø	Express Mail Label No. EV	291191118 US						

PTO-1390 (Rev. 07-2005)
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10/554,136   PCT/JP2004/00\$853   3836.001		U.S. APPLICATION NO (if known, see 37 CFR 1.5)		INTERNATIONAL	INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER		
The following fees have been submitted:  24.		1	10/554,136		PCT/JP20	04/005	853	3836.00	01
24		23. Other item	ns or information:						
24. Basic national fee. 37 CFR 1.492(c))  15					•			•	
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25.		•							PTO USE
### the written opinion prepared by ISA/US or the international preliminary examination report prepared by IFSA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4). \$ 200  26. Search fee (37 CFR 1.492(b))  If the written opinion for the ISA/US or the International preliminary examination report by PEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4). \$ 0  Search fee (37 CFR 1.45(a)(2) has been paid on the international application to the as an international Searching Authority. \$ 50.00  Search fee (37 CFR 1.45(a)(2) has been paid on the international application to the as an international Searching Authority. \$ 50.00  International Searching Authority. \$ 50.00  TOTAL OF 24, 25 and 26 \$ \$ 50.00  TOTAL OF 24, 25 and 26 \$ \$ \$ 0.00  All other situations. \$ 500.00  TOTAL OF 24, 25 and 26 \$ \$ \$ 0.00  All other situations. \$ 500.00  TOTAL OF 24, 25 and 26 \$ \$ \$ 0.00  All other situation. \$ 50.00  TOTAL OF 24, 25 and 26 \$ \$ \$ 0.00  Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.82(c) or (e) or computer program listing in an electropic medium) (37 CFR 1.82(c)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  Total Sheets Extra Sheets Number of each additional 50 or RATE  100 = 0 /50 = 0		24. Basic national fee					\$ \$0.00		
28. Search fee (37 CFR 1.492(b)) If the written opinion of the ISAUS or the International preliminary examination report by IPEAUS indicates all claims satisfy provisions of PCT Article 33(1,44)\$0  Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an international Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB\$400 All other situations\$500  TOTAL OF 24, 25 and 26 =		If the written opinion prepared by ISA/US or the international preliminary examination report					\$ \$0.00		
If the written opinionof the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)(4) \$0  Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an international Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB \$400  All other situations \$500  TOTAL OF 24, 25 and 26 = \$500.00  Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium 737 CFR 1.821(c) or (e) or computer program listing in an electronic medium 737 CFR 1.821(c) or (e) or computer program listing 74 500 or computer 74 500 or								-	
Intermational Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB		If the written opinion of the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0  Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the						\$ \$0.00	
All other situations. \$500  TOTAL OF 24, 25 and 26 = \$\$0.00  Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(i)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  Total Sheets		International Sear	ch Report prepare	ed by an IS	A other than the US and	provide	ed to the		
TOTAL OF 24, 25 and 26 = \$ \$0.00  Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(l)). The fee is \$250 for each additional 50 or fraction thereof.  Total Sheets							·		
Total Sheets		TOTAL	OF 24, 25 and	26 =				\$ \$0.00	
Fraction thereof (round up to a whole		Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.							
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).    CLAIMS   NUMBER FILED   NUMBER EXTRA   RATE		Total Sheets Extra Sheets Number							
declaration after the date of commencement of the national stage (37 CFR 1.492(h)).  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Ustal claims 300000 6 500636 105:20.3; 0 x \$50.00 \$ \$0.00  Independent claims 3(10.10 1) 3 = 0 x \$200.00 \$ \$0.00  MULTIPLE DEPENDENT CLAIMS (if applicable) + \$360.00 \$ \$0.00  Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. \$ \$0.00  Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. \$ \$0.00  Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE = \$ \$130.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$ \$40.00  C5/17/206 6 ATRIN1 00000152 10554136		- 100 =	0 /50 =		0	×	\$250.00	\$ \$0.00	
08/11/2006  01 FC:161: 02 FC:161: 03 FC:161: 03 FC:161: 04 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.  05 FC:161: 05 FC:161: 06 FC:161: 07 FC:161: 08 FC:161: 09 FC:161: 09 FC:161: 09 FC:161: 00 FC:161: 01 FC:161: 02 FC:161: 02 FC:161: 03 FC:161: 03 FC:161: 04 FC:161: 05 FC:161: 05 FC:161: 05 FC:161: 06 FC:161: 07 FC:161: 08 FC:161: 09 FC:161: 09 FC:161: 09 FC:161: 09 FC:161: 09 FC:161: 00 FC:161: 01 FC:161: 01 FC:161: 02 FC:161: 03 FC:161: 03 FC:161: 03 FC:161: 03 FC:161: 03 FC:161: 04 FC:161: 05 FC:161: 05 FC:161: 05 FC:161: 05 FC:161: 05 FC:161: 05 FC:161: 00 FC:161: 00 FC:161: 00 FC:161: 01 FC:161: 01 FC:161: 02 FC:161: 03 FC:161: 04 FC:161: 05 FC:161: 06 FC:161: 07 FC:161: 07 FC:161: 08 FC:161: 09 FC:161: 09 FC:161: 09 FC:161: 09 FC:161: 09 FC:161: 09 FC:161: 00 FC:1								\$	
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02 FC:1616 03 FC:1617 03 FC:1617 04 PD PARTICLA OF ABOVE CALCULATIONS = \$ \$0.00  Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. \$ \$0.00  SUBTOTAL = \$ \$0.00  Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE = \$ \$130.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$ \$40.00  05/17/2005 ATRANI 00000152 10554136  Amount to be \$ Amount to be \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	08/11/2006	(Totalictains)0000	0 6 500636 1	05329.34	0	x	\$50.00	\$ \$0.00	
MULTIPLE DEFENDENT CLAIMS (if applicable)	01 FC:161		Independent claims - 3 = 0 x \$200.00				\$200.00	\$ \$0.00	
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Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE = \$ \$130.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$ \$40.00  TOTAL FEES ENCLOSED = \$ \$170.00  Amount to be \$ Amount to be \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$							\$ \$0.00		
the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE = \$ \$130.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$ \$40.00  TOTAL FEES ENCLOSED = \$ \$170.00  Amount to be \$ Amount to be \$					\$ 50.00	<u> </u>			
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accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +				NAL FEE =	\$ \$130.00				
05/17/2006 ATRAN1 00000152 10554136 Amount to be \$	,	Fee for recording accompanied by a	the enclosed assi	t must be operty +	\$ \$40.00				
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	01 FC:16		130.00	m				Amount to be	\$

PTO-1390 (Rev. 07-2005)
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a. 🛛 A check in the amount of \$ \$170.00	to cover the above fees is enclosed.						
Please charge my Deposit Account No.     A duplicate copy of this sheet is enclosed.	in the amount of \$	to cover the above fees.					
<ul> <li>d.</li></ul>	Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card Information should not be Included on this form. Provide credit card information and authorization on PTO-2038.						
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 GFP 1.137(a) or (b)) must be filled and granted to restore the International Application to pending status.							
SEND ALL CORRESPONDENCE TO:	Chale	5 Werg					
Customer Number: 22337 SIGNATURE							
Law Offices of Charles Guenzer 2211 Park Boulevard	Charles S. Gue	Charles S. Guenzer, (650) 566-8040					
P.O. Box 60729	NAME	NAME					
Palo Alto, CA 94306	30,640	30,640					
	REGISTRATION	IUMBER					
	May 12, 2006	May 12, 2006					
	DATE						